Performance Data Sheet

RGA5467CXA

General Information

Model	RGA5467CXA	**Refrigerant**	R-407C
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	1900	1880					
	Watts	311	326					
	Amps	2.79	2.92					
	Lb/h	28.3	28.1					
-10	Btu/h	2180	2120	2060				
	Watts	326	345	364				
	Amps	2.91	3.08	3.24				
	Lb/h	30.9	30.5	30.2				
-5	Btu/h	2510	2410	2310	2200			
	Watts	338	361	383	406			
	Amps	3.01	3.21	3.41	3.61			
	Lb/h	34.1	33.6	33.2	32.7			
0	Btu/h	2890	2750	2610	2460	2320		
	Watts	349	374	400	426	453		
	Amps	3.09	3.32	3.55	3.78	4.01		
	Lb/h	37.9	37.4	36.8	36.2	35.5		
5	Btu/h	3310	3130	2950	2770	2590		
	Watts	357	386	415	445	475		
	Amps	3.14	3.41	3.67	3.93	4.20		
	Lb/h	42.4	41.7	41.0	40.3	39.5		
10	Btu/h	3780	3560	3350	3130	2910	2680	2450
	Watts	362	395	428	461	494	528	562
	Amps	3.18	3.47	3.77	4.06	4.36	4.66	4.97
	Lb/h	47.4	46.7	45.8	45.0	44.2	43.3	42.4
15	Btu/h	4290	4040	3790	3530	3270	3010	2740
	Watts	366	402	438	474	511	548	586
	Amps	3.20	3.52	3.85	4.17	4.50	4.84	5.17
	Lb/h	53.1	52.2	51.3	50.4	49.4	48.4	47.4
20	Btu/h	4860	4570	4270	3980	3680	3380	3070
	Watts	367	406	446	486	526	567	607
	Amps	3.20	3.55	3.91	4.27	4.63	4.99	5.36
	Lb/h	59.3	58.3	57.3	56.3	55.2	54.2	53.0

25	Btu/h	5470	5140	4800	4470	4130	3800	3450
	Watts	366	409	452	495	539	583	627
	Amps	3.19	3.57	3.95	4.34	4.73	5.12	5.52
	Lb/h	66.0	64.9	63.9	62.8	61.6	60.5	59.3
30	Btu/h	6120	5750	5380	5010	4640	4260	3880
	Watts	363	409	456	503	550	597	645
	Amps	3.16	3.57	3.98	4.40	4.82	5.24	5.67
	Lb/h	73.2	72.1	71.0	69.8	68.6	67.4	66.1
35	Btu/h	6830	6420	6010	5600	5190	4770	4350
	Watts	357	407	457	508	558	609	660
	Amps	3.12	3.56	4.00	4.44	4.89	5.34	5.80
	Lb/h	81.0	79.8	78.6	77.4	76.1	74.8	73.4
40	Btu/h	7580	7130	6680	6230	5780	5330	4870
	Watts	350	403	457	510	564	619	673
	Amps	3.07	3.53	4.00	4.47	4.95	5.43	5.91
	Lb/h	89.2	88.0	86.8	85.5	84.1	82.7	81.3
45	Btu/h	8370	7890	7400	6910	6420	5930	5430
	Watts	340	397	454	511	569	626	684
	Amps	3.01	3.50	3.99	4.49	5.00	5.50	6.01
	Lb/h	97.9	96.7	95.4	94.0	92.6	91.2	89.7
50	Btu/h	9220	8690	8160	7640	7110	6580	6040
	Watts	329	389	449	510	571	632	693
	Amps	2.94	3.46	3.98	4.50	5.03	5.57	6.10
	Lb/h	107	106	104	103	102	100	98.6
55	Btu/h	10100	9540	8970	8410	7840	7270	6700
	Watts	315	379	443	507	571	635	700
	Amps	2.86	3.41	3.95	4.50	5.06	5.62	6.18
	Lb/h	117	115	114	113	111	110	108

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.952872E+03	1.463516E+02	1.260389E+00	4.244441E+01
C2	1.417707E+02	-3.788324E+00	-3.676325E-02	9.926799E-01
C3	-1.332679E+01	2.536664E+00	2.307233E-02	-5.890338E-02
C4	9.629617E-01	-4.573825E-02	-3.049571E-04	1.079550E-02
C5	-7.911267E-01	7.072107E-02	6.028222E-04	-1.752902E-03
C6	5.650542E-03	-5.985980E-04	-5.987529E-06	7.020574E-05
C7	-9.010921E-06	3.008899E-05	1.937286E-06	-2.481009E-05
C8	-3.242735E-04	6.034356E-07	-1.433819E-06	1.827812E-05
C9	1.942530E-04	-9.338566E-06	2.634664E-07	-3.308238E-06
C10	-6.851082E-05	6.257936E-06	4.117849E-08	-4.875648E-07

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature